

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

SAM. L. ROGERS, DIRECTOR

CENSUS OF WAR COMMODITIES

ANTIMONY AND GRAPHITE CRUCIBLES

Prepared under the supervision of EUGENE F. HARTLEY, Chief Statistician for Manufactures

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ANTIMONY.

In an endeavor to ascertain the stocks of antimony available for war activities and for the requirements of both peace and war industries, the Bureau of the Census gathered statistics from importers, dealers, and consumers under date of June 30, 1918. The smelters were canvassed by the Geological Survey.

The statistics are shown in three tables and cover stocks of all classes of establishments, as of date June 30, 1918, and the output of various products containing antimony and their antimony contents for the calendar year 1917 and for the month of June, 1918.

Establishments.—The number of establishments is the number of reports received and not necessarily the number of individual plants, shops, works, or warehouses. In many cases one report covers a number of plants.

Tables.—Table 1 shows the antimony contents of stocks on hand, in transit within the United States

to the establishment reporting, afloat but not yet arrived in the United States, and stocks in process of manufacture. The stocks reported by wholesalers, jobbers, importers, and exporters—not manufacturers—and the stocks reported by the smelters, refiners, and manufacturers consuming stocks as material are shown separately. Some of the latter group import material.

Table 2 shows the statistics for imports and exports for the fiscal years ending June 30, 1918 and 1917.

Table 3 shows the statistics relating to consumption and production. The consumption of antimony for the calendar year 1917 and the month of June, 1918, is distributed: (1) According to the class of antimonial material used, and (2) according to the class of product. The table also gives the percentage distribution by character of material and by class of product, and shows the output of the various products.

Table 1.—STOCKS OF ANTIMONY JUNE 30, 1918.

[Antimony contents of stocks in process, on hand, in transit, and afloat from foreign countries.]

	Number of establishments.	TOTAL.		Stocks in process (pounds).	Stocks on hand (pounds).	Stocks in transit (pounds).	Stocks afloat (pounds).
		Pounds.	Per cent distribution.				
Total	751	22, 023, 700	100. 0	1, 812, 100	16, 617, 900	1, 624, 600	1, 969, 100
Reported by—							
Wholesalers, jobbers, importers, and exporters (not manufacturers).....	59	6, 949, 000	31. 6	.....	5, 450, 700	307, 000	1, 191, 300
Smelters, refiners (including ore smelters reporting to the Geological Survey), and consumers.....	692	15, 074, 700	68. 4	1, 812, 100	11, 167, 200	1, 317, 600	777, 800
CLASS OF MATERIAL.							
Antimony metal (regulus).....		13, 342, 600	60. 6	1, 029, 900	10, 053, 000	754, 500	1, 505, 200
Antimonial lead		4, 308, 800	19. 6	615, 900	3, 237, 500	455, 400	.....
Liquated antimony sulphide—crude or needle antimony		1, 719, 800	7. 8	51, 700	1, 175, 500	151, 600	341, 000
Antimony oxides and other salts, including red and yellow sulphides		1 715, 800	7. 8	101, 400	1, 403, 000	90, 500	120, 900
Antimony ore.....		936, 700	4. 2	13, 200	748, 900	172, 600	2, 000

Table 2.—IMPORTS AND EXPORTS OF ANTIMONY, YEARS ENDING JUNE 30, 1917 AND 1918.

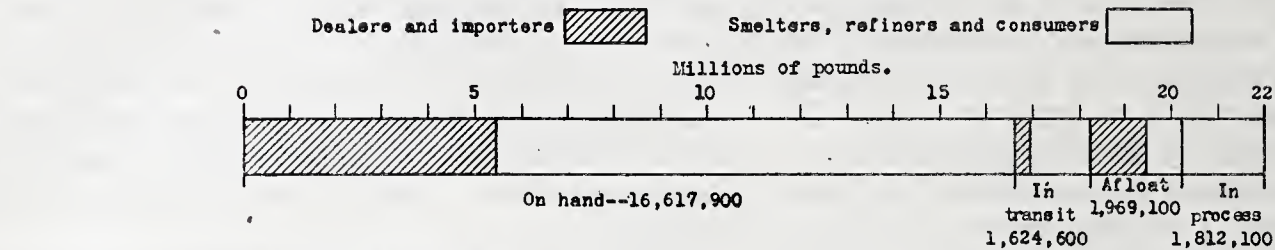
IMPORTS AND EXPORTS.	QUANTITY.		VALUE.	
	1918	1917	1918	1917
IMPORTS OF ANTIMONY.				
Ore:				
Gross tons.....	5, 280	7, 421	\$495, 953	\$1, 033, 885
Antimony, pounds.....	6, 526, 292	9, 636, 989		
Matte, regulus, or metal, pounds.....	33, 934, 515	17, 638, 290	3, 939, 174	2, 187, 036
EXPORTS OF FOREIGN. ¹				
Matte, regulus, or metal, pounds.....	379, 780	3, 001, 868	46, 503	659, 387

¹ No exports of domestic.

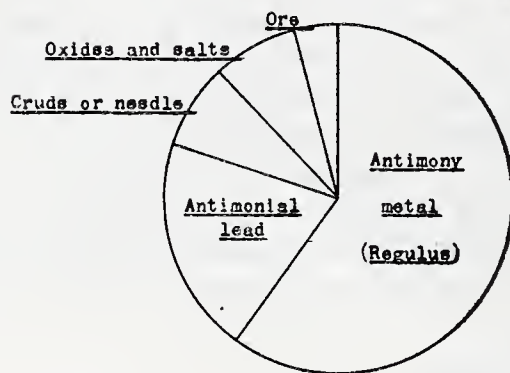
CENSUS OF WAR COMMODITIES.

STOCKS, JUNE 30, 1918; CONSUMPTION, 1917

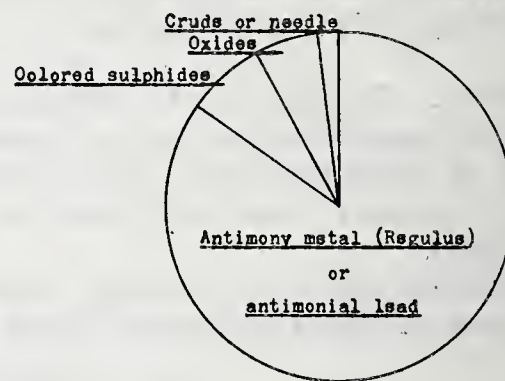
STOCKS: 22,023,700 POUNDS



Stocks--22,023,700 pounds
Distribution according to class of material



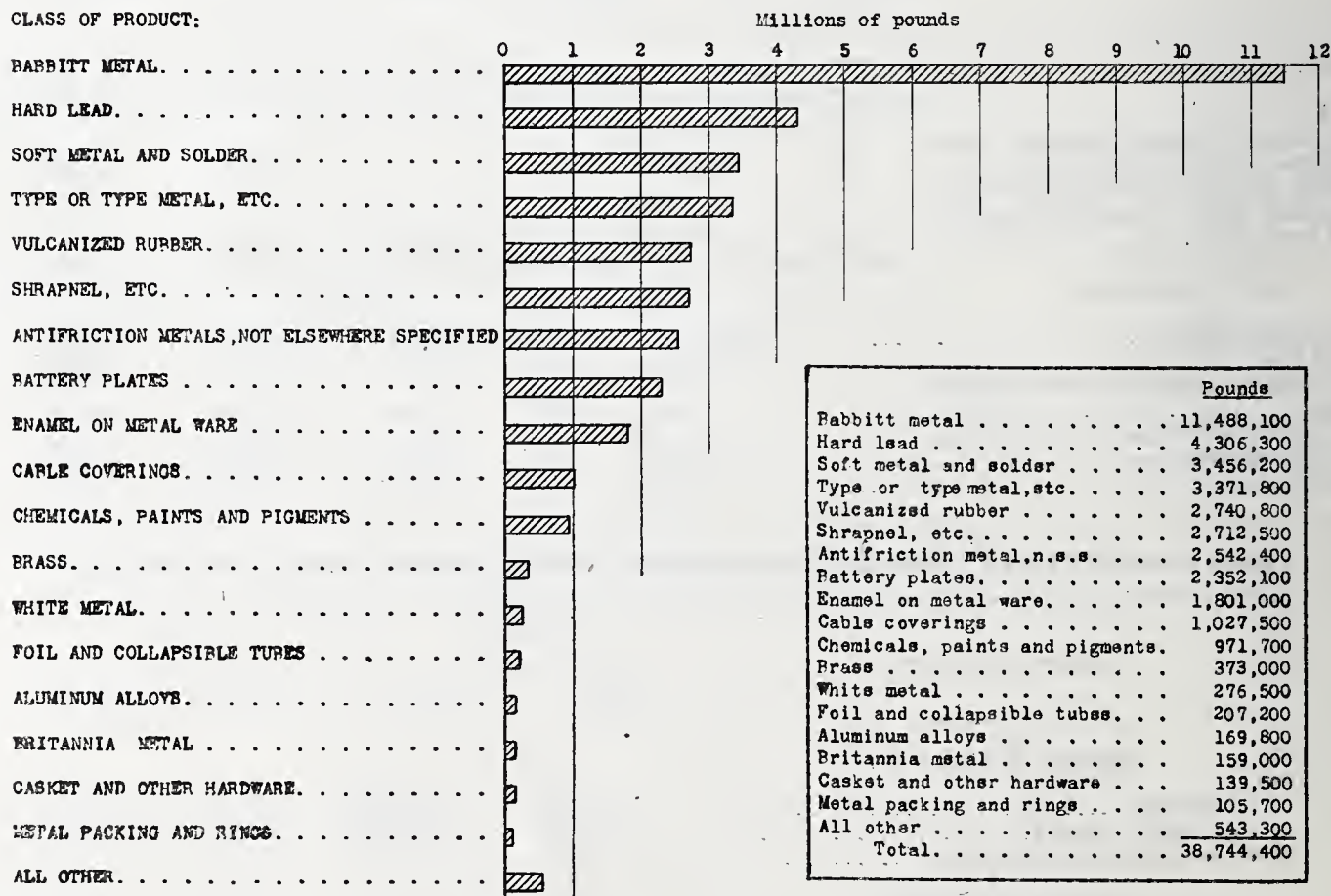
Consumption--38,744,400 pounds
Distribution according to class of material



CONSUMPTION

Distribution according to products

CLASS OF PRODUCT:



ANTIMONY.

5

Table 3.—CONSUMPTION AND PRODUCTION OF ANTIMONY FOR THE YEAR 1917 AND FOR JUNE, 1918.

[Consumption of antimony by kind of antimonial material used and by class of products, with output of products.]

MATERIAL AND PRODUCT.	Number of establishments.	1917		JUNE, 1918.		Per cent of total antimony consumption.	
		Output of product (pounds).	Antimony contents (pounds).	Output of product (pounds).	Antimony contents (pounds).	1917	June, 1918.
Total.....	683		38,744,400		3,631,600	100.0	100.0
ANTIMONIAL MATERIAL USED.							
Antimony metal.....			17,388,300		1,610,100	} 84.9	85.3
Antimony metal or antimonial lead.....			15,517,100		1,488,100		
Antimony oxides.....			2,248,300		139,700	5.8	3.9
Crude or needle antimony.....			805,200		79,900	2.1	2.2
Colored sulphides of antimony.....			2,785,500		313,800	7.2	8.6
CLASS OF PRODUCT.							
Babbitt metal.....	223	86,951,000	11,488,100	8,794,000	1,020,800	29.7	28.1
Hard lead, including pipe, traps, etc.....	63	43,270,000	4,306,300	5,596,000	443,000	11.1	12.2
Soft metal alloys and solder.....	6	34,427,000	3,456,200	3,678,000	369,700	8.9	10.2
Type and type metal, linotype, electrotpe, and stereotype.....	73	28,855,000	3,371,800	2,245,000	248,000	8.7	6.8
Vulcanized rubber and rubber goods.....	161	54,755,000	2,740,800	4,859,000	305,800	7.1	8.4
Shrapnel and other bullets.....	11	72,310,000	2,712,500	6,311,000	423,500	7.0	11.7
Bearing or antifriction metals not elsewhere specified.....	40	84,447,000	2,542,400	8,061,000	236,400	6.6	6.5
Battery plates.....	15	42,298,000	2,352,100	3,610,000	174,800	6.1	4.8
Enamel on metal ware.....	4	108,215,000	1,801,000	4,150,000	119,900	4.6	3.3
Cable coverings.....	9	102,517,000	1,027,500	4,182,000	42,000	2.7	1.1
Chemicals, paints, and pigments.....	17	2,268,000	971,700	192,000	82,400	2.5	2.3
Brass, including bronze.....	45	28,309,000	373,000	2,716,000	28,000	1.0	0.8
White metal and alloys.....	10	2,460,000	276,500	177,000	18,900	0.7	0.5
Foil and collapsible tubes.....	5	7,280,000	207,200	504,000	11,600	0.5	0.3
Aluminum alloys.....	11	4,697,000	169,800	318,000	22,600	0.4	0.6
Brittania metal.....	23	2,663,000	159,000	154,000	8,900	0.4	0.2
Casket, carriage, and other hardware and lighting fixtures.....	17	1,154,000	139,500	130,000	16,700	0.4	0.5
Metal packing and rings.....	3	754,000	105,700	66,000	9,100	0.3	0.3
Primers for explosives.....	7	17,780,000	82,200	302,000	9,300	0.2	0.3
Pattern metal and molds.....	17	602,000	41,300	70,000	4,500	0.1	0.1
Powdered antimony.....	3	110,000	10,800	8,000	300	(1)	(1)
Pewter.....	6	65,000	3,200	1,800	130	(1)	(1)
Antimony black.....	3	3,900	300	380	50	(1)	(1)
Other products ²		988,000	405,500	56,000	35,220	1.0	1.0

¹ Less than one-tenth of 1 per cent.

² Includes: Glassware, thermal couples, siphon tops, and undesignated products.

CENSUS OF WAR COMMODITIES.

SCHEDULE USED TO SECURE STATISTICS OF ANTIMONY.

CONFIDENTIAL—(WAR MEASURE)
To be forwarded not later than the 10th of each month

9-4881

YY3-556

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

SAM. L. ROGERS, DIRECTOR

STATISTICS OF ANTIMONY

EUGENE F. HARTLEY

CHIEF STATISTICIAN FOR MANUFACTURES

NAME OF ESTABLISHMENT

LOCATION OF ESTABLISHMENT: State, City or town

ADDRESS OF GENERAL OFFICE

NATURE OF BUSINESS

If a COMBINED REPORT, ENUMERATE PLANTS AND ESTABLISHMENTS COVERED BY THIS REPORT. NAMES AND ADDRESSES.

WASHINGTON, D. C., June 5, 1918.

A census of the stocks of antimony on hand and in transit, accurate data concerning which are absolutely necessary to the proper conduct and furtherance of the war, is authorized by the Secretary of Commerce under the provisions of section 8 of the organic act creating the Department of Commerce and Labor, as follows:
"That the Secretary of Commerce * * * shall * * * from time to time make such special investigations and reports as he may be required to do by the President, or by either House of Congress, or which he himself may deem necessary and urgent."
And the special authority of the President of the United States, under date of April 8, 1918, as follows: "The Secretary of Commerce is hereby authorized to cause the compilation by the Bureau of the Census of such statistical data within its lawful scope and relating to the supply, production, and consumption of commodities as may be needed and be called for by any branch of the Federal Government in connection with the conduct of the war."
Information regarding individual concerns will be kept strictly confidential, but aggregate statistics may be placed at the disposal of the trade.
The Bureau of the Census is cooperating with the Geological Survey in taking a complete census of stocks of antimony, its ores and compounds, and of antimonial lead in the United States. The Census Bureau is canvassing the importers, dealers, and consumers, and the Geological Survey the producers.
Important.—The present war emergency demands the patriotic cooperation of all interests that centralized information may be available to permit immediate and complete use of all facilities, the conservation of raw materials and efficient distribution thereof. Accurate and prompt replies are imperative.

SAM. L. ROGERS,

Director of the Census.

CERTIFICATE

THIS IS TO CERTIFY that the information contained in this schedule is complete and correct to the best of my knowledge and belief.

Date, 1918.

(Official position.)

I. Stocks on hand, 1918.

Stocks IN PROCESS.—In the case of manufacturers report in column (A) quantity tied up in partially manufactured products.
Stocks ON HAND.—Report in column (B) quantity in possession in your own foundries or works, warehouses, storehouses, and other space owned or rented by you in the continental United States, whether you have title to it or not; not to include stocks in process of manufacture or stocks of finished manufactured products.
Stocks IN TRANSIT.—Report in column (C) quantity in the United States in transit to you from seaport or other point but not yet received, including those on docks or in customs warehouse; not to include stocks in your own warehouses or in the works or storage yards of any other concern. Dealers should not report any stock in transit to them which has been sold to a manufacturer, since the latter will report the same on his schedule.
Stocks ABROAD.—Report in column (D) quantity in transit to you from foreign countries but not yet arrived in the United States, whether purchased directly or by other party for you. Dealers should not include stocks already sold to manufacturers, since the latter will return same on their schedule.

REPORT ANTIMONY CONTENT: POUNDS.

	TOTAL	(A) Stocks IN PROCESS	(B) Stocks ON HAND	(C) Stocks IN TRANSIT	(D) Stocks ABROAD
Antimony ore (not including slightly antimonial lead ore)					
Antimony metal (also known as regulus). Liquated antimony sulphide (also known as "crude antimony" and "needle antimony"). Antimony oxides and other salts of antimony, including red and yellow sulphides.					
Antimonial lead					

II. Consumption of Antimony.

Report separately the principal products containing antimony, giving quantity of each manufactured and the percentage of antimony which it contains.

Kind of antimonial material used.	CLASS OF PRODUCT.	Per cent of antimony in product.	Output of product for calendar year 1917 (pounds).	Output of product for month covered by this report (pounds).
Antimony metal	Antimony black			
	Pewter			
	Powdered antimony			
	Britannia metal			
	Syphon tips			
	Babbitt metal			
	Drum			
	Aluminum alloys			
	Acid-resisting iron			
	Thermal couples. Other products (specify separately):			
Antimony metal or antimonial lead	Other bearing or antifriction metals			
	Type and type metal, including linotype and stereotype			
	Battery plates			
	Shrapnel and other bullets			
	Cable coverings			
	Hard lead			
	Toys			
	Other products (specify separately):			
	Paint or paint pigments			
	Glassware			
Antimony oxides	Pottery enamel			
	Enamel on metal ware			
	Artificial ivory			
	Other products (specify separately):			
	Primers for explosives			
	Smoke bombs			
	"Crude" or "needle" antimony			
	Safety matches			
	Other products (specify separately):			
	Paint and paint pigments			
Colored sulphides of antimony	Vulcanized rubber			
	Other products (specify separately):			

II. Consumption of Antimony.—Continued.

Kind of antimonial material used.	CLASS OF PRODUCT.	Per cent of antimony in product.	Output of product for calendar year 1917 (pounds).	Output of product for month covered by this report (pounds).
Antimony metal or antimonial lead	Other bearing or antifriction metals			
	Type and type metal, including linotype and stereotype			
	Battery plates			
	Shrapnel and other bullets			
	Cable coverings			
	Hard lead			
	Toys			
	Other products (specify separately):			
	Paint or paint pigments			
	Glassware			
Antimony oxides	Pottery enamel			
	Enamel on metal ware			
	Artificial ivory			
	Other products (specify separately):			
	Primers for explosives			
	Smoke bombs			
	"Crude" or "needle" antimony			
	Safety matches			
	Other products (specify separately):			
	Paint and paint pigments			
Colored sulphides of antimony	Vulcanized rubber			
	Other products (specify separately):			

GRAPHITE CRUCIBLES.

The Census Bureau, at the request of the War Industries Board, issued a questionnaire to ascertain the stocks of graphite crucibles in the hands of the manufacturers of crucibles and the establishments using the same on June 30, 1918, and their requirements for the ensuing 12 months, followed by a second census as of date September 30, 1918. The accompanying tables present the statistics therefor.

Table 4 gives the data for stocks on hand and in transit to the establishment reporting, the number of crucibles in use, and the estimated requirements for the ensuing 12 months, as of June 30 and September 30, respectively, 1918, distributed as between the manufacturers of graphite crucibles and the users, the users being distributed by industries and by geographic divisions. The distribution by industries is on the basis of the general character of the business of the establishment reporting: (1) Establishments which are manufacturers of crucible steel; (2) brass, bronze, and aluminum foundries; (3) establishments engaged primarily in the manufacture of Babbitt

and other bearing metals and solder; and (4) all establishments that do not come distinctly in either of the other groups. Percentages of increase (or decrease) are shown for the intervening period.

Table 5 shows the number of establishments on the respective dates, June 30 and September 30, that reported stocks, in comparison with 1916-17, as larger, smaller, or normal, this feature of the questionnaire embracing other supplies involving crucible grades of graphite as well as graphite crucibles.

A few establishments reported stocks for jobbing as well as manufacturing purposes. The statistics for establishments doing solely a jobbing business and carrying stocks of graphite crucibles can not be given separately and they have been included with the users.

The crucibles are classified by size, the grouping adopted being No. 10 or smaller (under); Nos. 12 to 45, inclusive; Nos. 50 to 90, inclusive; and No. 100 and larger (over). Dimension data (Dixon) for the various sizes are here given:

SIZE.	Capacity.	OUTSIDE DIMENSIONS, INCHES.				SIZE.	Capacity.	OUTSIDE DIMENSIONS, INCHES.			
		Height.	Diameter.					Height.	Diameter.		
			Top.	Bilge.	Bottom.				Top.	Bilge.	Bottom.
No. 10.....	1½ quarts.....	8	6	6½	4¾	No. 150.....	6¾ gallons.....	18½	13½	14¾	10¾
No. 12.....	2 quarts.....	8	6½	6¾	5	No. 175.....	7¾ gallons.....	19½	14½	15¾	10¾
No. 45.....	2½ gallons.....	13	9¾	10½	7½	No. 200.....	9¾ gallons.....	20½	15	16½	11½
No. 50.....	2½ gallons.....	13½	10¾	11½	7¾	No. 225.....	10¾ gallons.....	20¾	15¾	16½	12½
No. 90.....	4 gallons.....	15½	11½	12½	9	No. 250.....	10¾ gallons.....	20½	15½	17	11¾
No. 100.....	4¾ gallons.....	16	11¾	13½	9¾	No. 275.....	11¾ gallons.....	22¾	15	16¾	12½
No. 125.....	4¾ gallons.....	16¾	12½	13¾	9½	No. 300.....	12½ gallons.....	22	16½	17½	12½

CENSUS OF WAR COMMODITIES.

Table 4.—STOCKS OF GRAPHITE CRUCIBLES ON HAND, IN TRANSIT, AND IN USE, AND

CLASS OF INDUSTRY, GEOGRAPHIC DIVISION, AND DATE, 1918.		Number of establishments.	STOCKS (NUMBER OF CRUCIBLES).						
			Total.	On hand.	In transit.	Total by size groups.			
						No. 10 or under.	Nos. 12-45.	Nos. 50-90.	No. 100 and over.
1	Total:								
2	Sept. 30.....	828	583,117	547,209	35,908	35,258	76,628	395,602	² 75,629
	June 30.....	938	594,432	560,234	34,198	28,336	85,505	404,332	76,259
3	Manufacturers of crucibles: ³								
4	Sept. 30.....	16	310,753	310,753	-----	30,788	53,487	191,973	34,505
	June 30.....	16	359,001	359,001	-----	24,165	66,074	226,620	42,142
5	Users (including dealers):								
6	Sept. 30.....	812	272,364	236,456	35,908	4,470	23,141	203,629	41,124
	June 30.....	922	235,431	201,233	34,198	4,171	19,431	177,712	34,117
USERS BY INDUSTRIES.									
7	Steel:								
8	Sept. 30.....	62	72,552	65,100	7,452	204	2,920	68,577	851
	June 30.....	55	47,140	35,649	11,491	224	2,539	43,500	877
9	Brass, bronze, and aluminum:								
10	Sept. 30.....	502	178,470	153,035	25,435	2,094	16,939	124,647	34,790
	June 30.....	527	142,921	126,967	15,954	1,080	12,751	101,592	27,498
11	Babbitt metal and solder:								
12	Sept. 30.....	19	1,340	1,116	224	278	570	138	354
	June 30.....	19	579	364	215	25	75	179	300
13	Miscellaneous:								
14	Sept. 30.....	229	20,002	17,205	2,797	1,894	2,712	10,267	5,129
	June 30.....	321	44,791	38,253	6,538	2,842	4,066	32,441	5,442
USERS BY DIVISIONS.									
15	New England:								
16	Sept. 30.....	121	80,318	74,729	5,589	1,802	3,561	70,997	3,958
	June 30.....	134	79,328	74,115	5,213	286	4,973	68,606	5,463
17	Middle Atlantic:								
18	Sept. 30.....	302	111,748	100,313	11,435	1,226	5,903	85,196	19,423
	June 30.....	346	82,030	67,055	14,975	1,668	5,768	59,370	15,224
19	East North Central:								
20	Sept. 30.....	264	65,484	49,229	16,255	1,008	12,763	38,123	13,590
	June 30.....	296	60,699	50,604	10,095	1,950	7,662	41,019	10,068
21	West North Central:								
22	Sept. 30.....	37	1,693	1,482	211	185	437	589	482
	June 30.....	42	2,091	1,799	292	14	474	770	833
23	South Atlantic:								
24	Sept. 30.....	28	10,113	7,895	2,218	195	296	6,926	2,696
	June 30.....	31	8,133	4,830	3,303	166	309	6,002	1,656
25	East South Central:								
26	Sept. 30.....	14	1,427	1,404	23	-----	71	1,286	70
	June 30.....	17	1,598	1,462	136	-----	60	1,377	161
27	West South Central:								
28	Sept. 30.....	6	108	90	18	-----	9	95	4
	June 30.....	7	191	174	17	13	24	139	15
29	Mountain:								
30	Sept. 30.....	9	175	123	52	-----	27	80	68
	June 30.....	10	113	104	9	-----	44	32	37
31	Pacific:								
32	Sept. 30.....	31	1,298	1,191	107	54	74	337	833
	June 30.....	39	1,248	1,090	158	74	117	397	660

¹ A minus sign (—) denotes decrease.² Sizes larger than 100, reported separately and included in the 100-and-over group:

CRUCIBLES.	No. 125.	No. 150.	No. 175.	No. 200.	No. 225.	No. 250.	No. 275.	No. 300.	No. 400.	Larger than No. 400.
Stocks.....	1,866	2,991	724	1,038	798	125	297	196	1,134	17
In use.....	93	186	16	120	84	31	39	9	132	4
Requirements.....	3,156	8,558	82	3,691	4,385	1,000	1,914	497	2,846	-----

³ Distribution by states: Connecticut 3 establishments; Illinois, 1; Massachusetts, 1; New Jersey, 4; and Pennsylvania, 7.

GRAPHITE CRUCIBLES.

9

ESTIMATED REQUIREMENTS FOR ENSUING 12 MONTHS, JUNE 30 AND SEPTEMBER 30, 1918.

NUMBER OF CRUCIBLES IN USE.					ESTIMATED REQUIREMENTS FOR ENSUING 12 MONTHS (NUMBER OF CRUCIBLES).					PER CENT OF INCREASE. ¹				
Total.	By size groups.				Total.	By size groups.				Number of establishments.	Stocks not in use.	Stocks in use.	Requirements.	
	No. 10 or under.	Nos. 12-45.	Nos. 50-90.	No. 100 and over.		No. 10 or under.	Nos. 12-45.	Nos. 50-90.	No. 100 and over.					
25,333	743	3,401	18,233	2,956	1,790,138	19,951	63,890	1,537,543	2 168,754	-11.7	-1.9	-11.9	4.4	1
28,745	527	3,993	21,358	2,867	1,713,867	11,725	89,397	1,459,813	152,932	.....	.....	.....	.....	2
											-13.4			3
														4
25,333	743	3,401	18,233	2,956	1,790,138	19,951	63,890	1,537,543	168,754	-11.9	15.7	-11.9	4.4	5
28,745	527	3,993	21,358	2,867	1,713,867	11,725	89,397	1,459,813	152,932	.....	.....	.....	.....	6
8,626	17	26	8,528	55	678,094	181	3,770	672,004	2,139	12.7	53.9	-7.7	22.0	7
9,343	28	43	9,187	85	556,015	267	3,734	549,070	2,944	.....	.....	.....	.....	8
14,658	370	2,978	9,125	2,185	1,058,958	11,265	53,476	842,879	151,338	-4.7	24.9	-2.7	24.3	9
15,069	114	3,364	9,536	2,055	852,089	3,406	74,461	644,051	130,171	.....	.....	.....	.....	10
64	12	15	25	12	6,156	5,052	352	353	399	.....	131.4	.....	147.7	11
64	11	10	25	18	2,485	24	202	887	1,372	.....	.....	.....	.....	12
1,985	344	382	555	704	46,930	3,453	6,292	22,307	14,878	-28.7	-55.3	-53.5	-84.5	13
4,269	374	576	2,610	709	303,278	8,028	11,000	265,805	18,445	.....	.....	.....	.....	14
6,223	379	386	5,156	302	577,474	9,500	14,802	517,855	35,317	-9.7	1.2	-10.4	-2.2	15
6,947	80	803	5,739	325	590,687	446	27,103	538,505	24,633	.....	.....	.....	.....	16
11,346	164	597	9,359	1,226	874,690	7,283	12,340	775,736	79,331	-12.7	36.2	-11.3	15.8	17
12,797	202	844	10,550	1,201	755,538	6,047	15,468	653,283	80,740	.....	.....	.....	.....	18
6,698	188	2,229	3,220	1,061	314,575	2,921	34,655	229,485	47,514	-10.8	7.9	-15.2	-8.2	19
7,900	225	2,149	4,547	979	342,735	4,844	44,080	254,235	39,576	.....	.....	.....	.....	20
224	7	80	78	59	5,382	32	1,186	2,753	1,411	-11.9	-19.0	17.3	-10.7	21
191	4	67	80	40	6,028	14	1,406	2,715	1,893	.....	.....	.....	.....	22
335	2	26	198	109	12,768	154	442	9,292	2,880	-9.7	24.3	-13.0	0.6	23
385	12	40	203	130	12,694	332	876	7,909	3,577	.....	.....	.....	.....	24
59	.....	11	28	20	951	.....	122	377	452	-17.6	-10.7	1.7	-20.6	25
58	.....	8	23	27	1,197	.....	63	637	497	.....	.....	.....	.....	26
14	.....	3	10	1	561	.....	4	557	.....	-14.3	-43.4	-57.6	-13.5	27
33	2	5	23	3	844	20	52	725	47	.....	.....	.....	.....	28
26	.....	12	12	2	416	.....	78	258	80	-10.0	54.9	-21.2	-6.5	29
33	.....	15	14	4	445	.....	123	214	108	.....	.....	.....	.....	30
408	3	57	172	176	3,321	61	261	1,230	1,769	-20.5	4.0	1.7	-10.2	31
401	2	62	179	158	3,699	22	226	1,590	1,861	.....	.....	.....	.....	32

CENSUS OF WAR COMMODITIES.

Table 5.—COMPARISON OF STOCKS OF GRAPHITE CRUCIBLES WITH NORMAL FOR 1916 AND 1917.

CLASS OF INDUSTRY AND DATE, 1918.	Total number of estab- lishments.	STOCKS OF CRUCIBLES.			OTHER SUPPLIES INVOLVING CRUCIBLE GRADES OF GRAPHITE.			
		Number of establishments report- ing same as—			Number of establishments reporting same as—			
		Large.	Small.	Normal or not re- porting.	Large.	Small.	Normal.	None or not report- ing.
Total:								
Sept. 30	828	129	175	524	8	35	355	430
June 30	938	129	194	615	6	36	294	602
Manufacturers of crucibles:								
Sept. 30	16	4	7	5	2	5	8	1
June 30	16	6	4	6	3	3	9	1
Users (including dealers):								
Sept. 30	812	125	168	519	6	30	347	429
June 30	922	123	190	609	3	33	285	601
Steel:								
Sept. 30	62	10	10	42	1	1	28	32
June 30	55	8	9	38		2	20	33
Brass, bronze, and aluminum:								
Sept. 30	502	83	108	311	3	15	227	257
June 30	527	69	117	341	2	18	168	339
Babbitt metal and solder:								
Sept. 30	19	1	1	17			8	11
June 30	19	2	5	12			4	15
Miscellaneous:								
Sept. 30	229	31	49	149	2	14	84	129
June 30	321	44	59	218	1	13	93	214

SCHEDULE USED TO SECURE STATISTICS OF GRAPHITE CRUCIBLES.

CONFIDENTIAL—(WAR MEASURE)
To be forwarded within 10 days

8-4800 (YY7-560)

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, DIRECTOR

STATISTICS OF GRAPHITE CRUCIBLES

FOR QUARTER ENDING 1918
EUGENE F. HARTLEY
CHIEF STATISTICIAN FOR MANUFACTURES

NAME OF ESTABLISHMENT

ADDRESS OF GENERAL OFFICE

LOCATION OF ESTABLISHMENT: State City or town

Separate plant reports are desired; if this is impracticable, combined reports for plants by states will be accepted. If a combined report, give here the names and locations of plants.

State whether manufacturer, wholesaler, jobber, importer, or exporter

General designation of goods

WASHINGTON, D. C., July 15, 1918.

A census of the stocks of graphite crucibles (black lead or plumbago) on hand, in transit, and in use, accurate data concerning which are absolutely necessary to the proper conduct and furtherance of the war, is authorized by the Secretary of Commerce under the provisions of section 8 of the organic act creating the Department of Commerce and Labor, as follows:

"That the Secretary of Commerce . . . shall . . . from time to time make such special investigations and reports as he may be required to do by the President, or by either House of Congress, or which he himself may deem necessary and urgent."

And the special authority of the President of the United States, under date of April 9, 1918, as follows: "The Secretary of Commerce is hereby authorized to cause the compilation by the Bureau of the Census of such statistical data within its lawful scope and relating to the supply, production, and consumption of commodities as may be needed and be called for by any branch of the Federal Government in connection with the conduct of the war."

Information regarding individual concerns will be kept strictly confidential, but aggregate statistics may be placed at the disposal of the trade.

Important:—The present war emergency demands the patriotic cooperation of all interests that centralized information may be available to permit immediate and complete use of all facilities, the conservation of raw materials and efficient distribution thereof. **Accurate and prompt replies are imperative.**

SAM. L. ROGERS,
Director of the Census.

CERTIFICATE

THIS IS TO CERTIFY that the information contained in this schedule is complete and correct to the best of my knowledge and belief.

(Signature of person furnishing the information.)

Date, 1918. (Title and address.)

GRAPHITE CRUCIBLES

Include in this inventory all graphite (black lead or plumbago) crucibles on hand in your own foundries, works, warehouses, and storerooms without regard to whether they are owned by you or by someone else; also graphite crucibles in transit to you, and stocks in use.

(A) STOCKS ON HAND.—Report number of crucibles classified by size actually on hand in your own foundries, works, warehouses, and storerooms, but not in use. It should include those actually in your possession whether you have title to them or not.

(B) STOCKS IN TRANSIT.—Report number of crucibles classified by size in transit to you, whether from points in the United States or abroad, but not yet received. If from abroad, ascertain. Do not include stocks in transit which have been sold, as they will be reported by the purchaser.

(C) STOCKS IN USE.—Report number of crucibles classified by size in use in your own foundries or works.

(D) ESTIMATED REQUIREMENTS.—If a manufacturer or a user of graphite crucibles, report number of new crucibles classified by size that will probably be required under present business conditions for the ensuing 12 months.

I.—Crucible stocks:

Crucible crucibles (black lead or plumbago).	(A) On hand (number).	(B) In transit (number).	(C) In use (number).	(D) Estimated requirements for ensuing 12 months (number).
Size.				
No. 10 or smaller.				
No. 12 to 43.				
No. 60 to 90.				
No. 100 and over.				
Other sizes (specify size):				

II.—Are these stocks larger or smaller than normal for 1916-1917?

III.—Stocks of other supplies involving crucible grades of graphite—stirring rods, ladles, etc.:

Is stock on hand normal? If not, state in what respect stocks are deficient:

REMARKS:

O.S. 3291-2

